

CLAIMS

WHAT IS CLAIMED IS:

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1. A method for analyzing a program, comprising the steps of:
 - logging a plurality of stack traces and respective tags in a log file at respective points
 - during execution of the program; and
 - marking one or more interesting tags within the log file.
 2. The method according to claim 1, further comprising the step of:
 - producing a report based on the log file.
 3. The method according to claim 2, wherein the step of producing the report includes:
 - identifying one or more of the stack traces that are associated with any of the one or
 - more interesting tags; and
 - producing the report based on the identified one or more of the stack traces.
 4. The method according to claim 2, wherein producing the report includes:
 - identifying a last stack trace that is associated with one of the one or more interesting
 - tags; and
 - producing the report based on the identified one or more of the stack traces.
 5. The method according to claim 1, wherein:
 - the tags indicate respective addresses of allocated objects; and
 - the one or more interesting tags indicate one or more respective addresses of migrated
 - objects.
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6. A method for producing a diagnostic report for a program, comprising the steps of:
2 accessing a log file comprising a list of stack traces and respective tags at respective
3 points during execution of the program and comprising one or more interesting
4 tags; and
5 producing the diagnostic report based on the log file.

7. The method according to claim 6, wherein the step of producing the report
2 includes:
3 identifying one or more of the stack traces that are associated with any of the one or
4 more interesting tags; and
5 producing the report based on the identified one or more of the stack traces.

8. The method according to claim 6, wherein producing the report includes:
2 identifying a last stack trace that is associated with one of the one or more interesting
3 tags; and
4 producing the report based on the identified one or more of the stack traces.

9. The method according to claim 6, wherein:
2 the tags indicate respective addresses of allocated objects; and
3 the one or more interesting tags indicate one or more respective addresses of migrated
4 objects.

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10. A computer-readable medium bearing instructions for analyzing a program, said
instructions being arranged to cause one or more processors upon execution thereby to
perform the steps of:
logging a plurality of stack traces and respective tags in a log file at respective points
during execution of the program; and
marking one or more interesting tags within the log file.

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11. The computer-readable medium according to claim 10, further bearing
instructions for performing the step of:
producing a report based on the log file.

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12. The computer-readable medium according to claim 11, wherein the step of
producing the report includes:
identifying one or more of the stack traces that are associated with any of the one or
more interesting tags; and
producing the report based on the identified one or more of the stack traces.

13. The computer-readable medium according to claim 11, wherein producing the
report includes:
identifying a last stack trace that is associated with one of the one or more interesting
tags; and
producing the report based on the identified one or more of the stack traces.

14. The computer-readable medium according to claim 10, wherein:
the tags indicate respective addresses of allocated objects; and
the one or more interesting tags indicate one or more respective addresses of migrated
objects.

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15. A computer-readable medium bearing instructions for producing a diagnostic report for a program, said instructions being arranged to cause one or more processors upon execution thereby to perform the steps of:

- accessing a log file comprising a list of stack traces and respective tags at respective points during execution of the program and comprising one or more interesting tags; and
- producing the diagnostic report based on the log file.

16. The computer-readable medium according to claim 15, wherein the step of producing the report includes:

- identifying one or more of the stack traces that are associated with any of the one or more interesting tags; and
- producing the report based on the identified one or more of the stack traces.

17. The computer-readable medium according to claim 15, wherein producing the report includes:

- identifying a last stack trace that is associated with one of the one or more interesting tags; and
- producing the report based on the identified one or more of the stack traces.

18. The computer-readable medium according to claim 15, wherein:

- the tags indicate respective addresses of allocated objects; and
- the one or more interesting tags indicate one or more respective addresses of migrated objects.

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